

# 28th September

Time	Centennial Hall	Int. Conf. Hall I
<p><b>Plenary Lecture</b>  <i>Chairperson: Prof. Kefa Cen (Zhejiang University, China)</i></p>		
09:20~ 09:50	<p>Outline of Waste Management Policy in Japan</p> <p>Kazuaki Takahashi</p> <p style="text-align: right;">PROGRAM CODE:0003</p>	
09:50~ 10:20	<p>Mercury Control Technology -A Review</p> <p>Robert E.Hall, Chun Wai Lee, Ravi K. Srivastava, Nick Hutson</p> <p style="text-align: right;">PROGRAM CODE:0004</p>	
<p><b>Session A-4: Melting Process</b>  <i>Chairperson: Mr. Michel Sarrut (SMEDAR, France)</i></p>		<p><b>Session B-4: Incineration</b>  <i>Chairperson: Prof. Yong-Chil Seo (Yonsei University, Korea)</i></p>
10:35~ 10:55	<p>Mix-Melting of Waste Plastic and Incineration Residues in Rotary Surface Melting Furnace</p> <p>Makoto Satou, Masato Kurata, Yousuke Kamata, Takayuki Tatsumichi</p> <p style="text-align: right;">PROGRAM CODE:0134</p>	<p>Efficient Incineration of Low Calorific Municipal Solid Waste</p> <p>Christoph Pasel, Bernd Dahlhoff, Jan-Dirk-Herbell</p> <p style="text-align: right;">PROGRAM CODE:0013</p>
10:55~ 11:15	<p>Accelerating Rate of Vaporization of Heavy Metals due to Co-Combustion of Waste Plastics in Ash Melting Furnace</p> <p>Isamu Kawakami, Yoshitaka Tamai, Shin-ichi Kurozu</p> <p style="text-align: right;">PROGRAM CODE:0135</p>	<p>Operation Status of MSW Incinerator and Development Trend of New Incineration Technology</p> <p>Yoji Sato, Teruaki Tsukamoto, Takeshi Uemura</p> <p style="text-align: right;">PROGRAM CODE:0014</p>
11:15~ 11:35	<p>Building up of an Industrial Pilot for Ash Treatment (Vitriflash Process) and Creation of a Public Interest Group with Gaz de France and the SMEDAR</p> <p>Michel Sarrut</p> <p style="text-align: right;">PROGRAM CODE:0136</p>	<p>Alternatives to Ash Melting and Gasification</p> <p>Oliver Gohlke, Ralf Koralewska, Günter Zellinger, Masao Takuma, Minoru Kuranishi, Yoshio Yanagisawa</p> <p style="text-align: right;">PROGRAM CODE:0015</p>
11:35~ 11:55	<p>Numerical Prediction of Plasma -Type Ash Melting Furnace</p> <p>Michitaka Furubayashi, Mitsuyoshi Nakatani, Kazunori Nakamura, Koji Sakakibara, Manabu Tanaka, Shinichi Tashiro</p> <p style="text-align: right;">PROGRAM CODE:0137</p>	<p>The Study of Shifting of Valuable Metals to Riddling Ash in Municipal Solid Waste Incineration Process</p> <p>Hiroshi Yamamoto, Takashi Yokoyama, Kazuyuki Oshita, Masaki Takaoka, Nobuo Takeda</p> <p style="text-align: right;">PROGRAM CODE:0016</p>

# 28th September

**Time**                      **Int. Conf. Hall III**                      **Conf. Room III**

09:20~ 09:50		
09:50~ 10:20		

**Session C-4: Dioxin Issue**

*Chairperson: Dr. Yukio Noma (National Institute for Environmental Studies, Japan)*

**Session D-4: Biomass & Coal Combustion**

*Chairperson: Prof. Toshikazu Kadota (Osaka Prefecture Univ., Japan)*

10:35~ 10:55	<p>A New Process to Reduce PCDD/F Formation in MSWI</p> <p>Hans Hunsinger , Helmut Seifert, Klaus Jay</p> <p style="text-align: right;">PROGRAM CODE:0090</p>	<p>A High Temperature Reformer Technologie; Its Application to Gasification of Carbonaceous Wastes</p> <p>Kim Hyun Yong</p> <p style="text-align: right;">PROGRAM CODE:0053</p>
10:55~ 11:15	<p>Dioxins/Furans Emission Levels at Stack and Removal Efficiency of Emission Control Devices in Large-Scale ISW Incinerators in Korea</p> <p>Jong-In Dong , Seong-Seok Seo, Seong-Taek Ihm, Kwoon-Uk Eum, Jeong-Wean Ihm, Young-Hwan Ko, Kyoon-Duk Yoon, Kyoung-Sub Kim, Myung-Suk Jeong, Won-Suk Lee, Chan-Ki Shin</p> <p style="text-align: right;">PROGRAM CODE:0091</p>	<p>Gasification Process of Tsukishima Kikai Applied to CHP System of Woody Biomass to Create New Energy</p> <p>Hirokazu Nagase, Hiroyuki Yokomaku, Masaki Endo</p> <p style="text-align: right;">PROGRAM CODE:0054</p>
11:15~ 11:35	<p>Dioxin and Furans Emissions from Hospital Waste and Chlorinated Sludge Incineration</p> <p>Giuseppe Mininni, Andrea Sbrilli, Camilla Maria Braguglia, Ettore Guerriero , Dario Marani, Mauro Rotatori</p> <p style="text-align: right;">PROGRAM CODE:0092</p>	<p>The Study of Wood Waste Gasification in a Fluidized-Bed Reactor: System Preparation and Preliminary Testing</p> <p>Suneerat Pipatmanomai, Sommas Kaewluan, Tanong Chayawattana</p> <p style="text-align: right;">PROGRAM CODE:0055</p>
11:35~ 11:55	<p>PCB Decomposition and Formation Depending on the Input Materials in Thermal Treatment Plant Equipment</p> <p>Yukari Ishikawa, Yukio Noma, Takashi Yamamoto, Yoshihito Mori, Shin-ichi Sakai</p> <p style="text-align: right;">PROGRAM CODE:0093</p>	<p>Experimental Study on Heat and Mass Transfer in Pyrolysis of Woody Biomass</p> <p>Ken-ichiro Tanoue, Kazuya Uchida, Thaung Oo, Tatsuya Hinauchi, Tatsuo Nishimura, Miki Taniguchi, Ken-ichi Sasauchi</p> <p style="text-align: right;">PROGRAM CODE:0056</p>

# 28th September

Time	Centennial Hall	Int. Conf. Hall I
	<b>Session A-5: Shredder Residue</b> <i>Chairperson: Dr. Jürgen Vehlow</i> <i>(Forschungszentrum Karlsruhe, Germany)</i>	<b>Session B-5: Incineration</b> <i>Chairperson: Prof. Sung-Keun Bae</i> (Changwon National University, Korea)
12:55~ 13:15	Co-Combustion of Electrical and Electronic Shredder Residue in a Large Scale MSWI  Jürgen Vehlow, Britta Bergfeldt, Frank E. Mark, Michael M. Fisher, Hans Dresch, Werner Gruettner, Ferdinand Kleppmann, Bogdan Dima, Kai Kramer, Theo Lehner  PROGRAM CODE:0138	The Comparison of Waste Characteristics in Small and Large Korean MSW Incinerators  Ki-In Choi, Suk-Hui Lee, Dong-Hoon Lee, Masahiro Osako  PROGRAM CODE:0017
13:15~ 13:35	Brominated Flame Retardants and Their Behavior in Melting Process of ASR  Morihiro Osada, Nobuhiro Tanigaki, Shin Takahashi, Shin-ichi Sakai  PROGRAM CODE:0139	Experimental Study on Combustion of Simulated Municipal Solid Wastes in a Fixed Bed  Ligang Liang, Rui Sun, Qiang Guo, Kui Dai, Shaohua Wu  PROGRAM CODE:0018
13:35~ 13:55	Elemental Content of Automobile Shredder Residue Estimated from Mass Balances of Its Incineration  Akiko Kida, Fumitake Takahashi, Shin-ichi Sakai  PROGRAM CODE:0140	Combustion Kinetics of Sewage Sludge and Combustible Wastes  Ho-Soo Lee, Sung-Keun Bae  PROGRAM CODE:0019
13:55~ 14:15	Characteristics and Utilization of Ash Generated from Incineration of Automobile Shredder Residue  Hwa Young Lee  PROGRAM CODE:0141	Experiences from Two Stage Thermal Destruction of Infectious Waste Using Calculations and Experiments  W. Jangsawang, A. K. Gupta  PROGRAM CODE:0020

## 14:30~16:15 Poster Session Int. Conf. Hall II

	POLICY & MANAGEMENT	BIOMASS & COAL COMBUSTION
14:30~ 16:15	Waste and Sustainable Development Development of a EURO-ASIA Network of Experts  Matthieu Charlionet  PROGRAM CODE:0011	Characteristics of Carbon Products with Superheated Steam Method  Shinogi Yoshiyuki, Chen Yan  PROGRAM CODE:0064
	Environmental Impact for Near-By Area of Large-Scale Municipal Solid Waste Incinerators  Jong-In Dong, Seong-Seok Seo, Jong-Wan Lim, Gwon-Wook Eum, Sang-Jin Jeon  PROGRAM CODE:0012	Experimental Investigation of Combustion Behaviors in a Fluidized-Bed Rice Husk Combustor with Rib Turbulators  Watchrin Noothong, Vichan Kongkakitpaiboon, Smith Eiamsa-Ard, Pongjet Promvonge  PROGRAM CODE:0065

# 28th September

Time	Int. Conf. Hall III	Conf. Room III
	<b>Session C-5: Dioxin Issue</b> <i>Chairperson: Dr. Fukuya Iino (United Nations University, Japan)</i>	<b>Session D-5: Biomass &amp; Coal Combustion</b> <i>Chairperson: Prof. Hongzhi Sheng (Chinese Academy of Science, China)</i>
12:55~ 13:15	Catalytic Influence of Molybdena Nanoparticles on Soot Combustion  V.G. Zavodinsky, E.A. Mikhailenko  PROGRAM CODE:0094	Fast Pyrolysis of Biomass for Generation of Valuable Chemicals in a Bubbling Fluidized Bed Pyrolyzer  Min-Seop Eom, Nam-Chan Kim, Kyung-Seun Yoo, Young-Soo Lee  PROGRAM CODE:0057
13:15~ 13:35	Water Effect on Soot Formation in Droplet Combustion in Uniform Flow  Shinji Nakaya, Toshikazu Kadota, Yuji Shiraiishi, Daisuke Segawa  PROGRAM CODE:0095	Integrated Thermal Process for Production of One Raw Material from Three Waste Streams in Paper Mill  Andrej Stergaršek, Robert Kocjančič, Peter Frkal, Iztok Hrastel  PROGRAM CODE:0058
13:35~ 13:55	Removal of PAHs and Soot Particles from Flue Gas by Gliding Arc Discharge  Li Xiaodong, Du Changming, Yan Jianhua, Bo Zheng, Chi Yong, Ni Mingjiang, Cen Kefa  PROGRAM CODE:0096	Design of a Super Quality Ash-Oriented Rice Husk - Fired Fluidized Bed Boiler and Its Operation  Wenchao Ma, Guanyi Chen, Xiaoling Bai  PROGRAM CODE:0059
13:55~ 14:15	Chemical Inhibition of Dioxins Formation in Municipal Solid Waste Incinerators by Urea  Jenny Sayaka Komatsu, Masaki Takaoka, Kazuyuki Oshita, Tadao Matsumoto, Nobuo Takeda, Daisuke Nakatsuka  PROGRAM CODE:0097	Experimental Investigation of Rice Husk Combustion Characteristics in a Two-Stage Vortex Combustor  Smith Eiamsa-ard, Monsak Pimsarn, Thitaphol Huyanan, Yingyong Kaewkaokiet, Pongjet Promvonge  PROGRAM CODE:0060

## 14:30~16:15 Poster Session Int. Conf. Hall II

	DIOXIN ISSUE	HAZARDOUS WASTE & MELTING PROCESS
14:30~ 16:15	Testing Methods for Evaluating <i>De Novo</i> Activity of Filter Dust  Alfons Buekens, Kees Olie  PROGRAM CODE:0102	Investigation for Utilization of Waste Plastics in Incineration Ash Melting Furnace - Confirmation of Chemical-Recycle Effect of Waste Plastics-  Nobuo Takeda, Masaki Takaoka, Shinrou Urabe, Shingo Deguchi, Kosu Aoki  PROGRAM CODE:0142
	POPs Behavior in the Thermal Destruction of Automobile Shredder Residue  Yukio Noma, Takashi Yamamoto, Yukari Ishikawa, Shin Takahashi, Shin-ichi Sakai  PROGRAM CODE:0103	Technical Evaluation for Sewage Sludge Melting System  Takehito Yahata, Mitsuo Tazaki, Koh Shimizu  PROGRAM CODE:0143

# 28th September

14:30~16:15		Poster Session	Int. Conf. Hall II
		INCINERATION	BIOMASS & COAL COMBUSTION
14:30~16:15	Effective Utilization of Steam Generated in the Incinerator  Katsushige Yamada  PROGRAM CODE:0025	Inspection of Applicability of Multi-Step Reaction Model to Wood Pyrolysis  Jong-In Dong, So-Young Myung, Won-Gu Hwang, Woo-Chan Lee  PROGRAM CODE:0066	
	JFE Advanced Stoker System "Hyper 21 Stoker System"  Yasuhiro Miyagoshi, Teruo Tatefuku, Masaaki Nishino, Takashi Yokoyama, Tomonori Nakagawa  PROGRAM CODE:0026	Catalytic Conversion of Pyrolytic Vapors of <i>Radiata Pine</i> over Zeolites  Hyun Ju Park, Jong-In Dong, Joo-Sik Kim, Jong-Ki Jeon, Kyung-Seun Yoo, Young-Kwon Park  PROGRAM CODE:0067	
	Characteristics of Rf Inductive Plasma in Oxy—Combustion  Yugo Osaka , Noriyuki Kobayashi, Razzak M.Abdur., Noriyasu Ohno, Shuichi Takamura  PROGRAM CODE:0027	An Experimental Study of Fluidized Bed Gasification of Biomass: Performance and Product Distribution for Different Operating Conditions  Suthum Patumsawad, Somrat Kerdsuwan  PROGRAM CODE:0068	
	The Development of High Temperature Recirculating Pump (HTRP) for Energy Savings in an Incinerator  Noorul Amen Hassan Mohamed, Ridzuan Zakaria, Muhd Noor Muhd Yunus  PROGRAM CODE:0159	Comparison of Corn cob Activated Carbon by One-Stage and Two-Stage Pyrolyses  Amphol Aworn, Paitip Thiravetyan, Woranan Nakbanpote  PROGRAM CODE:0069	
	Comparison of Operation Condition Properties between Municipal Waste Incinerators and Industrial Waste Incineration  In-Chool Park, Joo-Cheong Kim, Young Hwan Ko, Youn-Haeng Cho, Kyoon-Duk Yoon, Jeong-Heon Kim, Byung-Hwan Kim, Jong-In Dong  PROGRAM CODE:0028	Rice Husk Adsorbents Derived from Combustion for Gold-Thiourea Complex  Woranan Nakbanpote, Paitip Thiravetyan  PROGRAM CODE:0070	
	Combustion Behavior of Refuse Derived Fuel in a Two Chamber Combustor  Khaironie M.T., Sivapalan K., Rohyiza B., Muhd Noor M.Y., Mohamad Puad H.A.  PROGRAM CODE:0029	Study on the Co-Combustion of Coal and Sewage Sludge by Thermogravimetric Method  Liu Liang, Li Luping, Zou Jieming, Yan Xiaozhong, Chen Jian  PROGRAM CODE:0071	
	Conceptual Modeling for Incineration Process  Hyeon Kyeong Kim, Seungdo Kim, Minkoo Kim  PROGRAM CODE:0030	Waste Material Usage during the Production of Wood Panel  Yifan Zhang, Liangjia He, Yunyun Zhang  PROGRAM CODE:0072	

# 28th September

14:30~16:15		Poster Session	Int. Conf. Hall II
		DIOXIN ISSUE	HAZARDOUS WASTE & MELTING PROCESS
14:30~ 16:15	Soot Oxidation Catalyzed by Binary Transition Metal Oxides  N.V.Lebukhova, V.G.Zavodinsky, N.F.Karpovich  PROGRAM CODE:0104	Volatilization Behavior of Lead from Molten Slag under Simulating Condition of Municipal Solid Waste Melting  Naoto Mihara, Hiroyuki Nakada, Dalibor Kuchar, Mitsuhiro Kubota, Hitoki Matsuda  PROGRAM CODE:0144	
	Continuous Measurement of Organic Halogenated Compounds (OHC) at Waste Incinerator  Hiroyuki Nakui, Gou Watanabe, Tsuyoshi Matsuda, Akio Yamagami, Shirou Nemoto, Kazumasa Koshiba  PROGRAM CODE:0105	Removal of Dioxins, PAHs and PCBs in Contaminated Soil and Sediment by Indirect Thermal Desorption Method  Shogo Taniguchi, Hiroaki Ozaki, Ryo Koizumi, Rabindra Raj Giri  PROGRAM CODE:0145	
	Effect of Oxygen Concentration on the Formation Mechanism of PCDDs and PCDFs in Model Waste Incineration  Takeshi Hatanaka, Akio Kitajima, Masao Takeuchi  PROGRAM CODE:0106	Investigation of an Accidental Explosion Due to the Mis-Mixing of Reactive Chemicals at Waste Storage Tank  Atsumi Miyake, Nobuyoshi Yamada, Terushige Ogawa  PROGRAM CODE:0146	
	Decomposition of Trichloroethylene and Cl Sorption by CaO-Fe <sub>2</sub> O <sub>3</sub> Sorbent  Naoki Tanahashi, Shingo Ando, Takafumi Fujita, Naoto Mihara, Mitsuhiro Kubota, Hitoki Matsuda  PROGRAM CODE:0107	Dechlorination of Aroclor 1242, 1248 and 1254 by SDMA(sodium bis(2-methoxyethoxy) aluminum hydride) in the Presence of Transition Metal Compounds  Jong-In Dong, Seong-Seok Seo, Jin-Gyun Eom  PROGRAM CODE:0147	
	Monitoring of Organic Halogenated Compounds at a Municipal Solid Waste Incineration Plant  Wakoto Matsuyama, Takeshi Kojima, Shigenobu Okajima, Yukio Kozai  PROGRAM CODE:0108	Melting Treatment for Wide Area Waste at Mie Waste Treatment Center  Keiichi Sugita, Kiyotsu Kuroki, Hiroshi Nomura, Yasumi Fujiki, Satoshi Kuroishi, Fumiki Hosho  PROGRAM CODE:0148	
	Characteristics of Azaarenes in Gases Emitted from Incinerators for Waste Wood and Municipal Solid Waste  Kotaro Minomo, Nobutoshi Ohtsuka, Kiyoshi Nojiri, Yasundo Kurata, Masafumi Karaushi, Yugo Isobe  PROGRAM CODE:0109	The Present Situation of Teshima Waste Treatment Project  Kenji Goto, Fumiaki Kanbayashi, Masaharu Okada, Sirou Nakai, Hiroya Kanou  PROGRAM CODE:0149	
	Trace Analysis of Persistent Organic Pollutants Using Laser Mass Spectrometry  Shinsaku Dobashi, Masaharu Kira, Ryuichiro Tanaka, Yoshinori Izawa, Akihide Wada, Michikazu Hara  PROGRAM CODE:0110	Chemical Equilibrium Estimation on Gasification Reaction of Automobile Shredder Residue  Sung-Jin Cho, Hyun-Tae Joung, Jeong-Hun Kim, Yong-Chil Seo, Woo-Hyun Kim  PROGRAM CODE:0150	

# 28th September

14:30~16:15		Poster Session	Int. Conf. Hall II
		PYROLYSIS & GASIFICATION	ASH
14:30~ 16:15	Pyrolysis Characteristics of Waste Polyurethane	Effect of Unburned Carbon on Chloride-Induced Volatilization of Heavy Metals from Molten Fly Ash	
	Gyung-Soo Kim, Young-Chun Kim, Sun-Jeong Lee, Sang-Bum Kim, Hyun-Cheol Ahn, Seungdo Kim	Katsuya Nakayama, Keisuke Sakai, Takahiro Kawachi, Yoshinao Tajima, Shigeo Mizuno, Fujio Watanabe, Hitoki Matsuda, Mitsuru Takada	
	PROGRAM CODE:0041	PROGRAM CODE:0124	
	Pyrolysis Characteristics of Printed Circuit Board (PCB) Waste	Basic Study of Solidification Material Made from Bottom Ash as a Main Raw Material	
	Seungdo Kim, Hyun-Cheol Ahn, Young-Chun Kim, Sun-Jung Lee, Gyung-Soo Kim, Sang-Bum Kim, Young-Gae Cho	Yuji Maeno, Hiroshi Mori, Megumi Mihara, Akio Nagayama	
	PROGRAM CODE:0042	PROGRAM CODE:0125	
	The Effects of Reaction Conditions on the MSW Pyrolysis on Products Distribution	Quality Improvement of Waste Derived Char Using Mineral Processing Techniques	
Suk-Hui Lee, Jong-In Dong, Ki-In Choi	I.H.Hwang, D.Nakajima, T.Matsuto, T.Sugimoto		
PROGRAM CODE:0043	PROGRAM CODE:0126		
Complete Renewal Process of the Whole of Final Wastes to the Useful Syn-Gas and Aggregates, by Melting -Pyrolysis-Reforming and Purification Using Oxygen as Oxidant (So called S&G Process, Sunny and Green Process)	Elemental and Crystalline Phase Analysis of Alkali-Washed Fly Ash		
Suk Mok Song (Cancelled)	Atsushi Ohbuchi, Kazuo Tashiro, Toshihiro Nakamura		
PROGRAM CODE:0045	PROGRAM CODE:0127		
A Study on the Recovery of Monomer (Methyl Methacrylate) from Poly (Methyl Methacrylate) Using a Fluidized Bed Reactor	Mechanical and Leaching Properties of the Air-Cement Treated Soil Using Incineration Bottom Ash		
Sang Guk Kim, Soo Hyun Chung, Bo Sung Kang, Joo Sik Kim	Takuro Fujikawa, Kenichi Sato		
PROGRAM CODE:0044	PROGRAM CODE:0128		
	Technique for Recovering Sodium Phosphate from Incinerated Ashes of Sewage Sludge		
	Masaaki Takahashi, Kunihiko Sato, Susumu Kato, Hideo Enyoji, Keisuke Nakahara		
	PROGRAM CODE:0129		

# 28th September

14:30~16:15		Poster Session	Int. Conf. Hall II	
		DIOXIN ISSUE	HAZARDOUS WASTE & MELTING PROCESS	
14:30~ 16:15	Monitoring Study of Middle and Low Volatile Organic Chlorine (M/LVOCl) as an Indicator of PCDD/Fs in Flue Gas at Various Municipal Waste Incinerators	Overview of the Melting Treatment of MSW Incineration Residues from Tamagawa Incineration Plant		
	Akito Takakura, Nobuhisa Watanabe	Isamu Irie, Masakazu Rakumitsu, Kazuki Nishimura, Youji Yoshioka, Masahiko Ikeda		
	PROGRAM CODE:0111	PROGRAM CODE:0151		
	Evaluation of Interlaboratory Study for PCDDs, PCDFs and Dioxin like PCBs in Environmental Sample in Japan	Excellent Recycling Performance of ASR (Automobile Shredder Residue) Treatment System using Pyrolysis Gasification Process		
	Takumi Takasuga, Kenji Otsuka, Tadashi Mochizuki, Kazuo Iwaki, Kiichiro Tanaka, Toru Miyazaki	Takashi Amemiya, Tsuyoshi Noma, Katsuki Ide, Tadashi Imai, Kazutaka Kojo, Jun Yoshikawa, Jun Isaka, Keiji Kawaguchi		
PROGRAM CODE:0112	PROGRAM CODE:0152			
Investigation of Ultra High Sensitive Analytical Methodology of POPs for Environmental Air and Flue Gas Sample	Properties of Particles Sampled at High Temperatures in an Ash-Melting Furnace			
Takumi Takasuga, Michiko Yamashita, Kiyohiko Watanabe, Hiroaki Takemori, Takeshi Nakano, Minoru Fukushima, Yasuyuki Shibata	Masaki Takaoka, Kenji Shiota, Megumi Masui, Masamitsu Takahashi, Ken-ichi Shishida, Tomoyuki Tanaka, Yasuhiro Tomita, Nobuo Takeda			
PROGRAM CODE:0113	PROGRAM CODE:0169			
	The Characteristics and Distribution of Pyrolysis Products of Automobile Shredder Residue at an Experimental Semi-Batch Reactor			
	Ki-Heon Kim, Kyu-Yeon Kim, Oh-Sang Kwon, Dong-II Jung, Hyun-Tae Joung, Yong-Chil Seo			
	PROGRAM CODE:0170			

## 28th September

14:30~16:15		Poster Session	Int. Conf. Hall II
14:30~ 16:15			<b>ASH</b>
			The Leachability of Heavy Metals from MSWI Fly Ash in China Evaluated with Different Leaching Procedure Tunmin Ye, Wei Wang, Xingbao Gao, Xiao Wan, Yuxin Lan  PROGRAM CODE:0167

Time	Centennial Hall	Int. Conf. Hall I
	<b>Session A-6: Hazardous Waste</b> <i>Chairperson: Prof. Shin-ichi Sakai (Kyoto University, Japan)</i>	<b>Session B-6: Incineration</b> <i>Chairperson: Prof. Somrat Kerdsuwan (King Mongkut's Inst. of Tech. North Bangkok, Thailand)</i>
16:20~ 16:40	Plasma Pyrolysis of Hazardous Waste from Chemical Plant  Hongzhi Sheng, Yaojian Li, Xiaolin Wei, Yongxiang Xu, Junguo Tian, Rui Wang, Zhiqin Huang  PROGRAM CODE:0130	Potential Study of Energy Recovery from Shredded Used Banknote (SUB) for Chilled Water Production  Somrat Kerdsuwan, Nimit Nipattammakul, Sudarat Meechai, Somsak Prangthong, Nopadol Surathin  PROGRAM CODE:0021
16:40~ 17:00	Plasma Melting Technology of PCB-Contaminated Wastes  Shigeyoshi Tagashira, Masamitsu Takahashi, Morihiro Osada, Mitsuya Murata  PROGRAM CODE:0131	Welding and Corrosion Performance of INCO-WELD 686 CPT Filler Metal in Waste-To-Energy Power Plants  Christopher E. Thornton, Craig Cooper  PROGRAM CODE:0022
17:00~ 17:20	Thermal Treatment of Toxic Waste Materials Using Submerged Quench Incinerator  Sang-Guk Kim, Sok-Chong Oh, Jong-Chol Lee  PROGRAM CODE:0132	Combustion Characteristics of RPF in a Lab-Scale Circulating Fluidized Bed and After-Treatment of Emitted Nano-PM  Mun-Cheol Song, Yoon-Shin Cho, Dong-Ho Park, Jung-Ho Hwang  PROGRAM CODE:0023
17:20~ 17:40	Catalyzed Dechlorination of PCBs by SDMA (sodium bis(2-methoxyethoxy) aluminum hydride) and Catalysts  Seong-Seok Seo, Jin-Gyun Eom, Jong-In Dong  PROGRAM CODE:0133	A New Method to Determine the Ratio of Electricity Production from Fossil and Biogenic Sources in Waste-to-Energy Plants  Helmut Rechberger, Johann Fellner, Oliver Cencic  PROGRAM CODE:0024

# 28th September

14:30~16:15		Poster Session	Int. Conf. Hall II
		EMISSION CONTROL	EMISSION CONTROL
14:30~16:15	A Study on the Emission Characteristics of Odor and VOCs in a Landfill  Mi-Young Park, Bi-Oh Park, Go-Su Yang  PROGRAM CODE:0087	Researching Present Situation and Development of Mercury Control Technology in Coal Combustion of the Power Plant  Ma Liping, Ning Ping, Huang Xiaofeng, Deng Chunling, Qu Guangfei  PROGRAM CODE:0168	
	Continuous Monitoring of Elemental and Reactive Gaseous Mercury Emitted from the Combustion of Automobile Shredder Residue and Their Emission Factors  Fumitake Takahashi, Akiko Kida  PROGRAM CODE:0088	A Brief Review on NOx Control by Reburning: Mechanism, Parameters and Alternative Fuels  Yaxin Su, Yuru Mao, Xianzhong Zhang  PROGRAM CODE:0089	

Time	Int. Conf. Hall III	Conf. Room III
	<b>Session C-6:Dioxin Issue</b> <i>Chairperson: Dr. Brian Gullett (EPA, USA)</i>	<b>Session D-6:Biomass &amp; Coal Combustion</b> <i>Chairperson: Prof. Yong Chi (Zhejiang University, China)</i>
16:20~16:40	ETV Test of PCDD/F Emissions Monitoring Systems  Chun Wai Lee, Kenneth Cowen, Dennis Tabor  PROGRAM CODE:0098	First Polish Trials of Dried Sewage Sludge and Coal Co-Combustion in OP-230 Pulverised - Coal Boiler  Slawomir Stelmach, Ryszard Wasielewski, Marek Ściażko  PROGRAM CODE:0061
16:40~17:00	An Ultra-Compact Photo Ionisation Time-of-Flight Mass Spectrometer for Detection of Organic Trace Compounds in Combustion Flue Gases  Ralf Zimmermann, Fabian Mühlberger, W. Welthagen, Marc Gonin, Katrin Fuhrer T.Streibel  PROGRAM CODE:0099	The Experimental Research on Application of Lignite Fired Boiler Ignition with Coal Tar  Xiaojun Pan, Dehai Zhu, Qiang Wu, Shun Wang, Tongsheng Zhi  PROGRAM CODE:0062
17:00~17:20	Performance Results of Jet REMPI as a Real-Time PCDD/F Emission Monitor  Brian K. Gullett , Lukas Oudejans, Abderrahmane Touati, Shawn Ryan, Dennis Tabor  PROGRAM CODE:0100	Influence of Coal Particle Size on Pyrolysis and Combustion of Yuanbaoshan Lignite by Thermogravimetric Analysis  Hui Liu, Rui Xu, Qingxi Cao, Yongshao Yang, Shaohua Wu, Yukun Qin  PROGRAM CODE:0063
17:20~17:40	Thermal Behavior of Chlorobenzenes and Chlorophenols during Incineration of Automobile Shredder Residue Using a Plant-Scale Incinerator  Takashi Yamamoto, Yukio Noma, Shin-ichi Sakai  PROGRAM CODE:0101	Experimental Study on the Key Factors Influencing Desulfurization Efficiency in Turbulent Contact Absorber  Manyin Hu, Shuqin Wang, Qiangwei Li, Xu Qinyun, Songtao Liu  PROGRAM CODE:0074